

Page 1 of 1

All amounts are calculated in domestic currency.

[illegible]



PACKING SLIP

ORDER NO.: 12100778

FROM: ROCH

PAGE 1

CUST NUMBER: 1203820 NET WGT: 78.936 REQ.DATE: 10/16/14 EARLY
SOLD TO: SHIP TO:
DART AEROSPACE LTD DART AEROSPACE LTD
1270 ABERDEEN ST 1270 ABERDEEN ST
HAWKESBURY ON HAWKESBURY ON
CANADA ONTARIO CANADA CN K6A 1K7 CN K6A 1K7

SALESPERSON: GLENN SCOTT SHIP BY: 10/13/14
TERMS: NET 30 DAYS VIA: COMMON CARRIER
F.O.B.: DESTINATION FREIGHT: PREPAID
CUST ORD NO.: PO26070 RELEASE NO.:
RECEIVING PHONE:

LINE	ITEM	DESCRIPTION	WIDTH	LENGTH	ORD QTY	INVOICE QTY	SHIPPED QTY	WT	PCS
0001	33047	CDS 4130 6736	3/4 X .049	17/24 FT	200.000 FT	215.250 FT	215.250 FT	78.936	9

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN: 9A991.d Export License: NLR Expiration Date: 0/00/00
PO:49242602 HT:563093 PC: 9 CUSTOMER QTY: UOM
MLT:GERMANY MFG:GERMANY SLB/CL:1557711

BROKERS KUEHNE AND NAGEL LTD

AREA	TYPE OF PKG	PKGS	GRS WEIGHT	WIDTH	LENGTH	HGHT
NEWPENN	REDDICRATE	1.000	121.000	4.0000	300.0000	4
		1.000	121.000			

BY: KK
RT 000-

UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED _____

DATE FILLED _____

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE
OF THESE PRODUCTS ARE SET FORTH ON THE
REVERSE SIDE FOR YOUR CAREFUL REVIEW.



PACKING SLIP

ORDER NO.: 12100778

FROM: ROCH

PAGE 2

CUST NUMBER: 1203820 NET WGT:

78.936 REQ.DATE: 10/16/14 EARLY

SOLD TO:

SHIP TO:

DART AEROSPACE LTD

DART AEROSPACE LTD

1270 ABERDEEN ST

1270 ABERDEEN ST

HAWKESBURY ON

HAWKESBURY ON

CANADA

CN K6A 1K7

ONTARIO CANADA

CN K6A 1K7

SALESPERSON:

GLENN SCOTT

SHIP BY:

10/13/14

TERMS:

NET 30 DAYS

1 Wright Avenue - Rear

F.O.B.:

DESTINATION

LeRoy

NY 14482

CUST ORD NO.:

PO26070

VIA:

COMMON CARRIER

FREIGHT:

PREPAID

RELEASE NO.:

RECEIVING PHONE:

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material"

Authorized Test Report Clerk Janice Clark

Date: 10/13/14

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

THANK YOU FOR THIS ORDER


TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON THE REVERSE SIDE FOR YOUR CAREFUL REVIEW.

Benteler Stahl/Tube GmbH
Postfach 13 40
33043 Paderborn
Deutschland
Tel.: +49 5254 81-0 Fax: +49 5254 13666

BENTELER 
Steel/Tube

ABNAHMEPRÜFZEUGNIS EN 10204-3.1
INSPECTION CERTIFICATE EN 10204-3.1
CERTIFICAT DE RECEPTION EN 10204-3.1
EN 10204:2005-01

Benteler Steel/Tube GmbH - Postfach 1340 - 33043 Paderborn - Deutschland
TW Metals
760 Constitution Drive
EXTON, PA 19341
USA

Dokument-Nr.: 41-627747/001/P	Prüf-Nr.: 1	Blatt: 1 / 3
Document No.: 41-627747/001/P	Inspection No.: 1	Page: 1 / 3
No. du document:	No. du certificat:	
Kunden-Bestell-Nr.: 10-9773 TW M49242602	Hersteller: Warmrohrwerk/Zieherei	
Purchase Order No.: 10-9773 TW M49242602	Manufacturer: ISO/TS 16949 ISO 9001 TÜV CERT 44111090381-002	
No. de commande du client:	Producteur: PED 97/23/EC TÜV CERT 07-202-9635 WZ-09060H	
Benteler Auftrags-Nr.: 15577711	Herstellerzeichen: 	
Benteler Order No.: 15577711	Manufacturer's brand:	
No. de commande Benteler:	Marque du producteur:	
Versandanzügen-Nr.: 4150235	Stempel des Abnahmebeauftragten: WVA	
Dispatch Note No.:	Stamp of the inspection representative: WVA	
No. d'avis d'expédition:	Poinçon du contrôleur:	
Produkt: NAHTLOSE STAHLROHRE	Stahlschmelzungsverfahren: ELEKTROSTAHL	
Product: SEAMLESS STEEL TUBES	Steelmaking process: ELECTRIC FURNACE	
Produit: TUBES D'ACIER SANS SOUDURE	Procédé d'élaboration de l'acier: FOUR ELECTRIQUE	

Lieferbedingungen: AMS-T-6736B Type 1, ASTM-A 519-2006, MIL-T-6736B Type 1

Terms of delivery:

Conditions de livraison:

Maße - Toleranzen: AMS 2253E-83, Aircraft Type, Seamless, Cold Finished

Dimensions-tolerances:

Stahlsorte: GRADE 4130, AMS 6360L and AMS 6371J

Steel grade:

Nuance d'acier:

N

Lieferzustand:

Delivery condition:

État de livraison:

Produktkennzeichnung:

FSD: BENTELER AMS-T-6736 B 1-MIL-T-6736 B 1-4130 N HEAT-NO. CD AQ S DIMENSIONS WA
GERMANY

Product marking:

Marquage du produit:

AEZ = Azimutbeschriftung, Etching ink marking, Gravure à l'encre [FK = Farbstrahlzeichnung, colour marking, marquage par couleur] [FS = Farbstichzeichnung, paint stencilling, marquage par peinture] [SD = Farbstrahlprüfer, Colour jet printer, imprimante à jet d'encre] [LK = Laserkennzeichnung, Laser marking, Marquage laser] [PKE = Etikettenscheinzeichnung, tag marking, marquage sur étiquette] [PS = Prägestempel, die stamp, marquage par poinçonnage] [TS = Tintenstrahlkennzeichnung, ink jet spray marking, imprimante à jet d'encre]

Pos.	Stück	Maße	Länge	Gewicht	Schmelzen-Nr.	Prüfdruck	Rohr-Nr.-Gruppe	Vielfachlängen
Item	Number	Dimensions	Length	Weight	Heat No.	Test pressure	Tube number group	Multiple lengths
Poste	Nombre	Dimensions	Longueur	Poids	No. de coulée	Pression d'épreuve	Série de no. des tubes	Longueurs multiples
0005	137	0.750" O.D. ± 0.049"	3281,17 feet	1208 lbs	563093			
		17 FT - 24 FT						

ABNAHMEPRÜFZEUGNIS EN 10204-3.1
INSPECTION CERTIFICATE EN 10204-3.1
CERTIFICAT DE RECEPTION EN 10204-3.1

Dokument-Nr.: 41-627747/001/P
Document No.:
No. du document:

Prüf-Nr.:
Inspection No.:
No. du certificat:

Blatt: 2 / 3
Page:

Schmelzenanalyse [%] / Heat analysis [%] / Analyse sur couleée [%]

Pos. Schmelzen-Nr.	C	SI	MN	P	S	CR	MO	NI	CU
Item Heat No.									
Poste No. de couleée									
0005 563093	0,308	0,240	0,53	0,009	0,001	0,87	0,18	0,09	0,11

Produktanalyse [%] / Product analysis [%] / Analyse sur produit [%]

Pos. Schmelzen-Nr.	C	SI	MN	P	S	CR	MO	NI	CU
Item Heat No.									
Poste No. de couleée									
0005 563093	0,300	0,250	0,57	0,008	0,001	0,88	0,18	0,10	0,12

Prüfergebnisse / Test results / Résultats des essais

Die Röhre wurden zerstörungsfrei geprüft:

The tubes are non destructive tested: ET-test: acc. to ASTM-A 450; for imperfections; ET-test: ET with rotating pancake coils; according to EN 10246-3; imperfections: Notch depth: 0,30 mm; notch width <= notch depth; notch length min. 2 x transducer width (max. 50 mm)

Les tubes ont passé un essai non destructif:

Augensichtkontrolle:	PASSED	Materialverwechslungsprüfung:	PASSED	Maßkontrolle:	PASSED
Visual inspection:		Material conformity test:		Dimensions examination:	
Examen visuel:		Vérification de la nuance:		Vérification des dimensions:	

Ergebnisse der mechanischen Prüfung / Results of mechanical testing / Résultats des essais mécaniques

Die Probenahme erfolgte an Vielfachlängen.
The sampling was carried out on multiple lengths.
L'échantillonnage était réalisé aux longueurs multiples.

Zugversuch Vollprobe / Tensile test Full section test specimen / Essai de traction Eprouvette a section complete

Pos. Proben-Nr.	Schmelzen-Nr.	Probenabmessung	Streckgrenze	Zugfestigkeit	Dehnung	Einschnürung	Re/Rm
Item Specimen No.	Heat No.	Specimen dimensions	Yield strength	Tensile strength	Elongation	Area reduction	Re/Rm
Poste No. de l'éprouvette No. de couleée		Dimensions de l'éprouv.	Limite élastique	Résistance à la traction	Allongement	Coefficient de striction	
Anforderungen			Rp 0,2 %	Rm	A2		
Requisiments		mm	N/mm ²	N/mm ²	%	1. Formel	
Exigences			MIN 517	MIN 655	MIN 12	1. Formula	
0005 000001	563093	19,05 X	1,25	810	887	18	1. Formule

Benteler Stahl/Tube GmbH
Postfach 13 40
33043 Paderborn
Deutschland
Tel.: +49.5254.81-0 Fax: +49.5254.13666

BENTELER
Steel/Tube

ABNAHMEPRÜFZEUGNIS EN 10204-3.1
INSPECTION CERTIFICATE EN 10204-3.1
CERTIFICAT DE RECEPTION EN 10204-3.1

Dokument-Nr.: 41-627747/001/P
Document No.:
No. du document:

Prüf-Nr.:
Inspection No.:
No. du certificat:

Blatt: 3 / 3
Page:
Page:

Zugversuch Vollprobe / Tensile test Full section test specimen / Essai de traction Epruvette à section complète

Pos.	Proben-Nr.	Schmelzen-Nr.	Probenabmessung	Streckgrenze	Zugfestigkeit	Dehnung	Einschnürung	Re/Rm
Item	Specimen No.	Heat No.	Specimen dimensions	Yield strength	Tensile strength	Elongation	Area reduction	Re/Rm
Poste	No. de l'éprouvette	No. de coulée	Dimensions de l'éprouv.	Limite élastique	Résistance à la traction	Allongement	Coefficient de striction	Re/Rm
Anforderungen								
Requisiments			mm	Rp 0,2 %	Rm	A2*	1. Formel	
Exigences				N/mm ²	N/mm ²	%	1. Formula	
				MIN 517	MIN 655	MIN 12	1. Formule	
0005	000002	563093	19,05 X	1,25	809	18		
0005	000003	563093	19,05 X	1,25	810	18		
0005	000004	563093	19,05 X	1,25	816	18		

Randentkohlung / Surface decarburization / Décarburation superficielle

Pos. / Item / Poste: 0005
acc. MIL-T-6736B / AMS-T-6736B, regulation of decarburization depth

Vermerk / Remark / Remarque

Pos. / Item / Poste: 0005
Certificate remarks: The steel grade corresponds to MIL-T-6736B, AMS 6360 and AMS 6371J, material free from mercury contamination, FAR BAA: 52.225-1 CANNOT COMPLY, DFARS BAA: 252.225-7001 CAN COMPLY, FAR TAA: 52.225-5 CAN COMPLY, Country of origin of the material and heat: Germany; see appendix page 1 of 1

Pos. / Item / Poste: 0005
Macroscopic examination: acc. to ASTM-E 381

Pos. / Item / Poste: 0005
Magnetic particle inspec.: acc. to AMS 2301 G/2640, on prematerial

Pos. / Item / Poste: 0005
Grain size determination: acc. to ASTM-E 112, Grain size 5 and finer, Longitudinal structure micrography, On prematerial

Verkäufer(in) / Salesman/woman in charge / Personne chargée : Mr Boeger, Tel.: 05254/81-4321, Fax: 4395
Paderborn Schloß Neuhaus, 16.02.2011, TEL.: 05254.81-1767 FAX: 05254.81-1752

Abnahmebeauftragter
Inspection representative
THOMAS GOLLAN / TEM
Contôleur
Es wird bestätigt, daß die gelieferten Erzeugnisse den techn. Lieferbedingungen des Auftrages entsprechen. Dieses Dokument wurde mittels EDV erstellt und ist ohne Unterschrift rechtsgültig.
We certify that the supplied products comply with the order specification. This document was prepared by means of electronic data processing and is valid without signature.
Nous attestons que les produits livrés sont conformes aux stipulations de la commande. Ce document a été établi par traitement électronique de l'information et est valide sans signature.

Benteler SteelTube GmbH
Residenzstraße 1
33104 Paderborn
Germany
Tel.: 49-5254-81-0 Fax: 49-5254-13666

BENTELER
Steel/Tube

Abnahmeprüfzeugnis EN 10204-3.1 / Anhang
Inspection Certificate EN 10204.3.1 / appendix
Certificat de réception EN 10204-3.1 / appendice

Dokument-Nr.
Document No.:
No. de document:

41-627747/001/P

Blatt: von
Page: 1 of 1
Page: de

Halbzeuguntersuchung: Stahlsorte **4130** / **Semi finished product examination: grade 4130** / Produit semi-fini: nuance **4130**

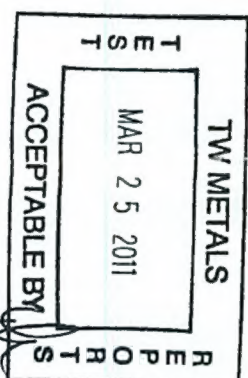
Schmelzen-Nr. Heat No. Coulée No.	Position Item Poste	Korngröße Grain size Grosseur de grain (ASTM-E 112)	Härbarkeit (min. Anforderungen) Hardenability (min. requirements) Trempeabilité (exigence min.) (ASTM-A 255)		Magnetpulverprüfung Magnetic particle Inspection Essai à la poudre magnétique (AMS 2301G / 2640)		Makroätzung Macrostructure test Essai de macrostructure (ASTM-E 381)		
		min. 5	J(5/16") min. 35 HRC	J(8/16") min. 28 HRC	F max. 0,34	S max. 0,25	max. S 2	max. R 1	max. C 2
563093	005	9	40	32	0,049	0,034	S 2	R 1	C 2
Decarburization Depth		Outside 0,000 mm Inside 0,050 mm							

Der Stahl ist frei von Quecksilberverunreinigungen. / The steel is free of mercury contamination. / L'acier est libre des contaminations de mercure.

Paderborn Schloß Neuhaus, 16.02.2011
Tel.: (0)5254-81-1992 Fax: (0)5254-81-1991

Abnahmebeauftragter
Inspection representative
Contrôleur

Thomas Gollan



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 174130 .750 W.049
 RECEIVED BY: Sonia P
 DATE: 14/10/15
 P/O# 26070 MATERIAL CERT RECEIVED YLS
 QUANTITY ORDERED: 215.25 200 QUANTITY RECEIVED: 215.25
 THICKNESS ORDERED: .750 W.049 THICKNESS RECEIVED: 750 W.049
 SHEET SIZE: _____ SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
INCORRECT FINISH	Y <input checked="" type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/>	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	
INCORRECT MATERIAL	Y <input checked="" type="checkbox"/>	
INCORRECT THICKNESS	Y <input checked="" type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>cmk</u>	BY: _____
DATE: <u>14/10/16</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO26070**

Purchase Order Date 10/9/2014

PO Print Date 10/9/2014

Page Number 1 of 2

Order From :

VU-TWM001

TW METALS
PO BOX 933014
ALTANTA, GA 31193-3014
US

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED

Contact Name

Vendor Phone 585 768 5600

Ship To Contact

Ship To Phone

Ship Via: YRC COLLECT

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M4130NT0.750W.049 MATERIAL: AISI 4130N SEAMLESS STEEL TUBING AS PER MIL-T-6736 OR AMS 6371/6360/6361 6362/6373/6374	4130 RD Tube .750 x.049W	10/16/2014 Yes 10/16/2014		200.00 f 215.250. recu	\$2.75	\$550.00
						Line Total:	\$550.00
2	71401-45 Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A026 certification of material conformance A041 quality management system A042 dart notification by supplier A043 retention of quality documents	PROCUREMENT QUALITY CLAUSES	10/16/2014 No 10/16/2014		1.00 ✓	\$0.00	\$0.00

8014-10-15

8014-10-15

Note:

10/9/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO26070**

Purchase Order Date 10/9/2014

PO Print Date 10/9/2014

Page Number 2 of 2

Order From :

TW METALS
PO BOX 933014
ALTANTA, GA 31193-3014
US

VU-TWM001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

585 768 5600

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

YRC COLLECT

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

FCA - (Free Carrier)

Line Total: \$0.00

PO Total: \$550.00

VCL

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr:

1

Change Date:

10/9/2014